Applicant: Wang et al.

Application No.: 10/849,753

REMARKS/ARGUMENTS

Claims 1-10 are currently pending.

The Office Action rejected claims 1-10 under 35 U.S.C. 103(a) as obvious over

applicant's admitted prior art in view of U.S. Publication No. 2001/0015716 to Kim.

Applicant respectfully submits that claims 1-10 are nonobvious for the following

reasons.

According to MPEP 8th ed. 706.02(j), to establish a prima facie case of

obviousness, the prior art reference (or references when combined) must teach or

suggest all the claim limitations. The Action admits that the admitted prior art does

not teach that the polarity inverting signal has a frequency lower than a display

frequency of sub-pixels as claimed. Instead, it argues that Kim cures this deficiency,

but it does not.

Kim fails to disclose or suggest any polarity inverting signal having a

frequency lower than a display frequency of sub-pixels. Kim states that polarities of

pixels for common voltage are inverted in units of pixel groups comprised of three

pixels in each row for common voltage, and alternate between positive and negative

in each column (paragraph [0052]), but never teaches the claimed polarity inverting

signal. At most, Kim teaches polarity inversion in units of three sub-pixels in Fig.

6(a), but it never refers to the polarity inverting signal having proper frequency as

claimed in claims 1 and 6. Since the polarities of pixel groups can be alternated by

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many different methods, and Kim specifies none in particular, the Action is

incorrect in concluding that Kim teaches a polarity inversion signal, which has a

frequency lower than a display frequency of sub-pixels.

In conclusion, neither applicant's admitted prior art nor Kim discloses or

suggests all the claim limitations, particularly, a polarity inverting signal having a

frequency higher than a scan frequency of scan lines but lower than a

display frequency of sub-pixels as recited in independent claims 1 and 6 of the

present application. Accordingly, the present invention is nonobvious over the prior

art in view of Kim.

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In view of the foregoing remarks, Applicants respectfully submit that the present application, including claims 1-10, is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

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